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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/611,666	06/30/2003	Christopher R. Uhlik	GOOGP004	5305
23689	7590	07/05/2007	EXAMINER	
Jung-hua Kuo Attorney At Law PO Box 3275 Los Altos, CA 94024			SAFAIPOUR, HOUSHANG	
		ART UNIT	PAPER NUMBER	
		2625		
		MAIL DATE	DELIVERY MODE	
		07/05/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/611,666	UHLIK ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Houshang Safaipour	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-25 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 17-25 is/are allowed.
- 6) Claim(s) 1,3 and 7-13 is/are rejected.
- 7) Claim(s) 2,4-6 and 14-16 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 30 June 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

The specification is objected to because the Serial Numbers of the related co-pending U.S. Patent Applications are missing (see paragraph [0001] of the specification).

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 3 and 7-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Matama (US. Patent 7,113,619).

Regarding claim 1, Matama discloses a document scanning system, comprising:

a first camera (CCD 118 [inherent part of any camera]) for capturing an image of a document (figs. 2 and 3, col. 9 lines 53-60);

a second device (CCD 119) for gathering data regarding the first camera's field of view at the time of image capture (col. 9, line 61 to col. 10 line 6 and col. 11, lines 29-32); and

signal processing logic configured to analyze the data relating to the first camera's field of view and to determine whether the first camera's view of the document was obstructed (col. 12, lines 62 to col. 13 line 30).

Regarding claim 3, Matama discloses the document scanning system of claim 1, wherein the second device comprises a second camera (CCD 119) and wherein the signal processing

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logic utilizes data from the first and the second cameras to analyze the data relating to the first camera's field of view and to determine whether the first camera's view of the document was obstructed (col. 12, lines 62 to col. 13 line 30).

Regarding claim 7, Matama discloses the document scanning system of claim 1, wherein the second device comprises a camera positioned to capture an edge-view of the document (CCD [camera] 119).

Regarding claim 8, Matama discloses the document scanning system of claim 7, wherein the signal processing logic is configured to compare the data gathered by the second device with a data model corresponding to a properly positioned document, and to signal detection of an error condition if the data gathered by the second device diverge from the data model by more than a predefined amount (col. 14, lines 31-37).

Regarding claim 9, Matama discloses the document scanning system of claim 1, wherein the signal processing logic is configured to compare the data gathered by the second device with a data model corresponding to a properly positioned document, and to signal detection of an error condition if the data gathered by the second device diverge from the data model by more than a predefined amount (col. 14, lines 31-37).

Regarding claim 10, Matama discloses a method for scanning bound documents, the method comprising the steps of :

capturing an image of a document using a camera; collecting data regarding the region between the document surface and the camera at the time of image capture; processing the data to detect the presence of obstructions or other conditions that may adversely affect the quality of the image captured by the camera (please refer to the discussion under claim 1); and

taking one or more remedial actions if such an obstruction or other condition is detected (col. 14, lines 38-48 and col. 15, lines 59-67).

Regarding claim 11, Matama discloses the method of claim 10, wherein the processing step includes comparing the data regarding the region between the document surface and the camera with a data model of the region corresponding to a properly positioned document, and signaling detection of an obstruction or other condition if the data differ from the data model in a predefined manner (please refer to the discussion under claim 8).

Regarding claim 12, Matama discloses the method of claim 10, wherein the one or more remedial actions comprise automatically repositioning the document in relation to the camera to compensate for misalignment detected during said processing step (col. 14, lines 38-48 and col. 15, lines 59-67).

Regarding claim 13, Matama discloses the method of claim 10, wherein the one or more remedial actions comprise re-capturing an image of the document (changes positions of different optical elements and recapture the image ,col. 14, lines 38-48 and col. 15, lines 59-67).

#### *Allowable Subject Matter*

3. Claims 2, 4-6 and 14-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 17-25 are allowed.

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Houshang Safaipour whose telephone number is (571)272-7412. The examiner can normally be reached on Mon.-Fri. from 6:00am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Houshang Safaipour  
Patent Examiner  
June 13, 2007

